



Appl. No. 10/017,145 Filed December 14, 2001  
Amendment Dated August 6, 2003  
Reply to Office Action of March 21, 2003

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: **John Shanklin, et al.** Confirmation No. **2640**  
Serial No.: **10/017,145** Group No. **1652**  
Filed: **December 14, 2001** Examiner: **T. Saidha**  
For: **MUTANT FATTY ACID DESATURASE AND METHOD FOR  
DIRECTED MUTAGENESIS**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

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Sir:

This Amendment is filed in response to the Office Action mailed from the Patent Office on March 21, 2003.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 6 of this paper.

**Remarks** begin on page 8 of this paper.